AOC-SG-i4

SUPERMICRO®

The AOC-SG-i4 four-port GbE card provides the industry's best price-performance with its high-performing PCI Express 10/100/1000 Ethernet connection. This compact controller also improves flexibility and performance in virtualized multi-core systems by lowering interrupt overhead and providing sorted multiple data queue paths.

Key Features

- **PCI Express 2.0 (2.5GT/s)**
- **Intel® I/O Acceleration Technology 2 (I/OAT)**
- **Jumbo Frame support up to 9.5KB packets**
- **Next-Generation VMDq for Virtualized Environments**
- **Low-latency interrupts**
- **Wake On LAN (WOL)**
- **Pre-boot Execution Environment (PXE)**
- **Direct Cache Access (DCA)**
- **iSCSI Boot**

Specifications

- Dual Intel 82576 dual-port Gigabit Ethernet controllers
- Four RJ45 sockets
- PCI-E x8 connector
- Low-profile standard form factor
- Intel® I/OAT to improve CPU utilization
- MSI-X support to minimize interrupt overhead and allow interrupt load balancing between CPUs/cores
- Low-latency interrupts
- Supports caches up to 64 packet descriptors per queue for efficient use of PCI-E bandwidth
- Supports transmission and reception of Jumbo Frame packets up to 9.5KB
- IEEE 802.3 auto-negotiation and compliant flow-control
- VMDq for Virtualized Environments
- Next-Generation VMDq with loopback functionality to improve CPU utilization and throughput
- Direct Cache Access (DCA)
- Tx/Rx IP, TCP, and UDP checksum offloading (IPv4, IPV6) capabilities
- Tx TCP segmentation offloading (IPv4, IPv6)
- Wake on LAN (WOL) support
- iSCSI boot
- Supported cable length greater than 100 meters
- Supported OSs: Windows, Linux, FreeBSD, Netware
- Virtualization ready with VMWare support

Compliance/ Environmental

- RoHS Compliant 6/6, Pb Free

Supported Platforms

- Motherboards with minimum PCI-E x8 slot
- Servers with low-profile or full-height PCI-E expansion slot

Please note that this product is only available to OEM customer and is sold as integrated solution with Supermicro server systems

For the most current product information, visit:

www.supermicro.com